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## Disturbed blood flow and altered TGF- $\beta$ /BMP signaling in pulmonary arterial hypertension

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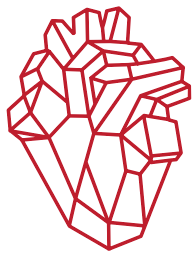
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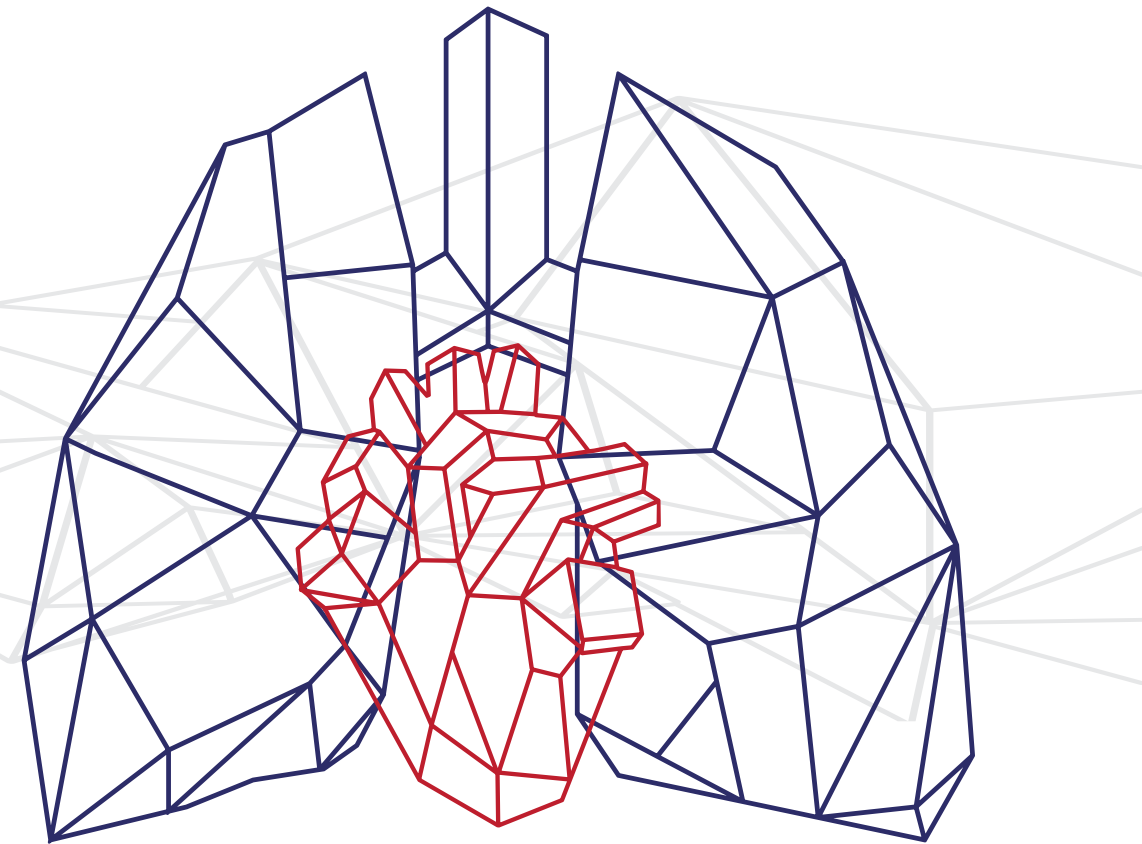
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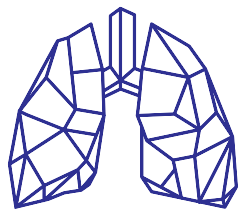


**DISTURBED BLOOD FLOW  
AND  
ALTERED TGF- $\beta$  / BMP SIGNALING  
IN  
PULMONARY ARTERIAL HYPERTENSION**



Disturbed blood flow and altered TGF- $\beta$ /BMP signaling in Pulmonary Arterial Hypertension

CHRIS HAPPÉ



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